

10/562617

Driesen 5-3

1A/20 Res'd PCT/PTO 22 DEC 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Patent Application**

Applicants(s): Bas Driesen  
Ra'anan Gil  
Case: Driesen 5-3  
Serial No.: Unassigned  
Filing Date: Concurrently Herewith  
Group: Unassigned  
Examiner: Unassigned

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Signature: Vera Maurer Date: December 22, 2005

Title: Methods and Apparatus for Backwards Compatible Communication in a Multiple Antenna Communication System Using FDM-Based Preamble Structures

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicant's attorney wishes to bring to the attention of the Patent and Trademark Office the following document listed on the accompanying PTO Form 1449. A copy of the listed item is enclosed.

**Other Documents**

1. Shin et al., "A New Training Symbol Structure to Enhance the Performance of Channel Estimation for MIMO-OFDM Systems," IEEE International Conference on Acoustics, Speech, and Signal Processing Proceedings (ICASSP), Vol. 1 of 6, pgs. IV397-IV400 (April 6, 2003).
2. Sun et al., "Training Sequence Assisted Channel Estimation for MIMO OFDM," Wireless Communications and Networking, pgs. 38-43 (March 16, 2003).

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability or that no other material information exists.

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In the event of any non-payment or improper payment of a required fee, the Commissioner is hereby authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error. A duplicate copy of this letter is enclosed.

Respectfully submitted,



Date: December 22, 2005

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**FORM PTO-1449 (MODIFIED)**

**LIST OF PUBLICATIONS FOR  
APPLICANT'S INFORMATION  
DISCLOSURE STATEMENT**

Applicant: Bas Driesen  
 Case: Ra'anan Gil  
 Serial No.: Driesen 2  
 Filing Date: Unassigned  
 Group: Concurrently Herewith  
 Unassigned

10/562617

1/20/05 Rec'd PGT/PTO 22 DEC 2005

**U.S. PATENT DOCUMENTS**

EXAMINER					FILING DATE
INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

EXAMINER					TRANSLATION	
INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	YES	NO

**OTHER DOCUMENTS**

EXAMINER		
INITIAL	REF NO.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.

Shin et al., "A New Training Symbol Structure to Enhance the Performance of Channel Estimation for MIMO-OFDM Systems," IEEE International Conference on Acoustics, Speech, and Signal Processing Proceedings (ICASSP), Vol. 1 of 6, pgs. IV397-IV400 (April 6, 2003).

Sun et al., "Training Sequence Assisted Channel Estimation for MIMO OFDM," Wireless Communications and Networking, pgs. 38-43 (March 16, 2003).

Examiner

Date Considered

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.